

Citations: MEXICO: Chiapas: *Miranda* 5319 (Me--69313--type, Me--173592--isotype), 5903 (Me--173606). MOUNTED ILLUSTRATIONS: *Miranda*, Bol. Soc. Bot. Mex. 29: 47, fig. 3. 1965 (Z).

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NOTES ON THE GENUS *ADELOSA* (VERBENACEAE)

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Lack of time this late in life prevents me from completing the detailed monograph of this genus contemplated and earlier announced, but it seems worthwhile to place on record here the bibliographic and herbarium notes assembled over the past 52 years of work on this family of plants by my wife, Alma L. Moldenke, and myself. It is the 67th genus thus far treated in this series of papers in this (and some other) journals. The herbarium acronyms employed are the same as used in all my previous papers in *Phytologia* and are fully explained in *Phytologia Memoirs* 2: 463--469 (1980) and previously elsewhere.

*ADELOSA* Blume, Ann. Mus. Bot. Lugd.-bat. 1: 176. 1850.

Bibliography: Blume, Ann. Mus. Bot. Lugd.-bat. 1: 176. 1850; Walp., Ann. Bot. Syst. 3: 234. 1852; Bocq., *Adansonia*, ser. 1, 2: 91 (1862) and 3: 181. 1863; Pfeiffer, Nom. Bot. 1 (1): 49. 1873; Benth. in Benth. & Hook., Gen. Pl. 2 (2): 1153. 1876; Baill., Hist. Pl. 11: 115. 1891; Jacks. in Hook. f. & Jacks., Ind. Kew., imp. 1, 1: 37. 1893; Briq. in Engl. & Prantl, Nat. Pflanzenfam., ed. 1, 4 (3a): 140, 142, 169, & 170. 1895; Post & Kuntze, Lexicon 9 & 688. 1904; Thonner, Flow. Pl. Afr. 470. 1915; Junell, Symb. Bot. Upsal. 1 (4): 84. 1934; Mold., Known Geogr. Distrib. Verbenac., ed. 1, 53 & 84. 1942; Jacks. in Hook. f. & Jacks., Ind. Kew., imp. 2, 1: 37. 1946; Mold., Alph. List Inv. Names Suppl. 1: [1]. 1947; H. N. & A. L. Mold., Pl. Life 2: 32. 1948; Mold., Known Geogr. Distrib. Verbenac., ed. 2, 123 & 174. 1949; Angely, Cat. Estat. Bot. Fan. 17: 2. 1956; Mold. in Humbert, Fl. Madag. 174: 4 & 48--49. 1956; Mold., Résumé 155, 227, 409, & 940. 1959; Jacks. in Hook. f. & Jacks., Ind. Kew., imp. 3, 1: 37. 1960; Dalla Torre & Harms, Gen. Siphonog., imp. 2, 432. 1963; F. A. Barkley, List Ord. Fam. Anthoph. 76 & 136. 1965; Airy Shaw in J. C. Willis, Dict. Flow. Pl., ed. 7, 20. 1966; Rouleau, Guide Ind. Kew. 6 & 352. 1970; Mold., Fifth Summ. 1: 259 & 377 (1971) and 2: 758 & 844. 1971; Airy Shaw in J. C. Willis, Dict. Flow. Pl., ed. 8, 20. 1973; Mold., Phytol. Mem. 2: 248 & 519. 1980.

A many-branched glabrous shrub; leaves decussate-opposite, small, short-petiolate, deciduous, simple, exstipulate, cuneate-oblong or obovate, marginally entire, apically remotely serrate; inflorescence cymose, determinate, centrifugal, terminal; flowers complete, perfect, few, subsessile, borne in the axils of subu-

late bracts; prophylla 3 beneath each calyx; calyx gamosepalous, inferior, tubular, 5-parted, glabrous, actinomorphic, the lobes ovate, apically acuminate; corolla gamopetalous, zygomorphic, externally glandular-puberulent, the tube surpassing the calyx, its throat glabrous, the limb 5-parted, the lobes apically rounded, the 4 exterior (posterior) ones connate in pairs, the fifth (anterior) one inwardly arched; stamens 4, didynamous, inserted at about the top of the corolla-tube, isometrous, exserted, all fertile; filaments very short; anthers oblong-linear, dorsifixed, the two thecae parallel; pistil single, exserted; stigma bifid; ovary depressed-globose, superior, compound, bicarpellary, obsoletely 4-sulcate, imperfectly 4-celled, the cells 1-ovulate; ovules laterally attached at the middle; micropyle inferior; fruit drupaceous, turbinate-globose, apically depressed, surrounded by the ampliate fruiting-calyx, imperfectly 4-celled; seeds solitary in each cell, peltate, oblong, compressed, membranous-margined.

Type species: *Adelosa microphylla* Blume.

This is apparently a monotypic genus of Madagascar very closely related to *Premna* L. and *Clerodendrum* Burm. Briquet (1895) comments that "Diese mir völlig unbekannte Gattung wird von Baillon zu *Clerodendron* gezogen. Der Beschreibung nach scheint dieselbe doch durch den Bau der Frucht und das Samens ziemlich verschieden." Junell (1934) was also unable to secure any authentic material of the genus for study.

*ADELOSA MICROPHYLLA* Blume, Ann. Mus. Bot. Lugd.-bat. 1: 176. 1850.

Synonymy: *Adelosa microphylla* (Forsk.) Vierh. ex Mold., Known Geogr. Distrib. Verbenac., ed. 1, 84, sphalm. 1942.

Bibliography: see that of the genus as a whole (above).

The species has the characters given for the genus as a whole (above) with the following additions: petioles 3--7 mm. long; leaf-blades thin-chartaceous or submembranous, brunnescent or nigrescent in drying, slightly lighter in color beneath, 1--5.5 cm. long, 5--15 mm. wide, apically rounded or broadly acute, basally long-cuneate, glabrous on both surfaces, reddish when fresh.

The species is known thus far only from the type collection, *Pervillé* 626, found growing on coastal sand dunes near the edge of the sea at Ambongo, Madagascar, on February 14, 1841.

Citations: MADAGASCAR: West: *Pervillé* 626 (F--photo of isotype, It--photo of isotype, N--isotype, N--photo of isotype, P--isotype, Z--photo of isotype).

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